

**Practice**

For use with pages 299–304

**A map has a scale of 1 inch : 12 miles. Use the given map distance to find the actual distance.**

1. 8 inches
2. 17 inches
3. 25 inches
4. 42 inches
5.  $\frac{1}{2}$  inch
6.  $\frac{3}{4}$  inch
7.  $\frac{3}{8}$  inch
8.  $1\frac{1}{8}$  inches
9.  $2\frac{1}{2}$  inches

**A map has a scale of 1 centimeter : 6 kilometers. Use the given actual distance to find the distance on the map.**

10. 24 kilometers
11. 54 kilometers
12. 90 kilometers
13. 33 kilometers
14. 1.8 kilometers
15. 3.6 kilometers
16. 7.2 kilometers
17. 1.5 kilometers
18. 2.7 kilometers

**Write the scale without units.**

19. 1 in. : 14 ft
20. 1 in. : 30 yd
21. 1 cm : 3 m
22. 1 cm : 65 m
23. 1 cm : 8 km
24. 1 mm : 32 cm

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- 25.** On a map, the distance between two cities is  $4\frac{1}{2}$  inches. What is the actual distance in miles between the two cities if the map's scale is 1 inch : 80 miles?
- 26.** In a scale drawing, a wall is  $1\frac{1}{2}$  inches long. The actual wall is 12 feet long. Find the scale of the drawing.
- 27.** A model of the Transamerica Pyramid in San Francisco, California has a scale of 1 : 130. The height of the Transamerica Pyramid is 260 meters. Find the height of the model.
- 28.** A scale model of a football stadium has a scale of 1 : 360.
- The actual length of the football field including the end zones is 120 yards. How long in inches is the football field in the model?
  - How many times the length of the model is the length of the actual stadium?